

ABSTRACT OF THE DISCLOSURE

5 A code length of image coded data is length-fixed in
accordance with a code length representing a required
criterion. For this purpose, a discrete wavelet
transformation unit 110 performs discrete wavelet
transformation of image data. A factor quantization unit
112 performs quantization. An entropy coding unit 113
performs entropy coding of a factor quantized value by
10 arithmetic coding. If the code length of quasi image coded
data is longer than the code length designated by a
designated image coded data code length inputting unit 102,
entropy coded values are deleted in the unit of sub-bands
so that the code length of the quasi image code data equals
15 the designated code length. If the code length of quasi
image coded data is shorter than the designated code length,
adjustment bits are added.